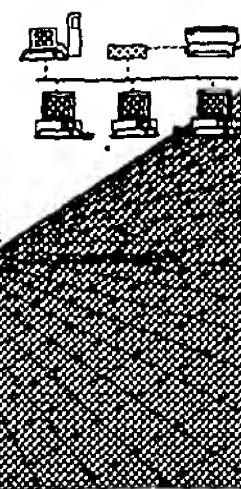


BIOTECHNOLOGY
SYSTEMS
BRANCH**RAW SEQUENCE LISTING**
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/659,983
Source: OIP
Date Processed by STIC: 9/25/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR FURTHER INFORMATION, PLEASE TELEPHONE MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/659,983

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 ☐ Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 ☐ Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 ☒ Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 ☒ Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 ☒ Variable Length ³ Sequence(s) 3 contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 ☐ PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 8 ☐ Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 ☐ Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 10 ☐ Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 ☐ Use of <213>Organism (NEW RULES) Sequence(s) are missing this mandatory field or its response.
- 12 ☒ Use of <220>Feature (NEW RULES) 3,4,5,6,7-13 Sequence(s) are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 ☐ PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

see item 5 on Err summary
sheet

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/659,983
Input Set : A:\ES.txt
Output Set: N:\CRF3\09252000\I659983.raw

DATE: 09/25/2000
TIME: 12:45:58

Does Not Comply
Corrected Diskette Needed

4 <110> APPLICANT: Meloen, Robert Hans
6 Oonk, Hendrica Berendina
9 <120> TITLE OF INVENTION: An Improved Peptide, Immunogenic Composition and Vaccine or Medical
10 Preparation, a Method to Immunise Animals Against the Hormone LHRH, and
11 Analogs of the LHRH Tandem Repeat Peptide and their Use as Vaccine
14 <130> FILE REFERENCE: 2183-4518US
OK 17 <140> CURRENT APPLICATION NUMBER: US/09/659,983
19 <141> CURRENT FILING DATE: 2000-09-12
22 <150> PRIOR APPLICATION NUMBER: US 09/274,048
24 <151> PRIOR FILING DATE: 1999-03-22
27 <150> PRIOR APPLICATION NUMBER: US 08/981,557
29 <151> PRIOR FILING DATE: 1995-06-07
32 <150> PRIOR APPLICATION NUMBER: PCT/NL96/00223
34 <151> PRIOR FILING DATE: 1996-06-06
37 <150> PRIOR APPLICATION NUMBER: US 08/447,298
39 <151> PRIOR FILING DATE: 1995-06-07
42 <150> PRIOR APPLICATION NUMBER: US 08/476,013
44 <151> PRIOR FILING DATE: 1995-06-07
47 <160> NUMBER OF SEQ ID NOS: 13
50 <170> SOFTWARE: Corel WordPerfect 8.0

Please consult
new sequence Rules.

ERRORED SEQUENCES

53 <210> SEQ ID NO: 1
55 <211> LENGTH: 10
E--> 57 <212> TYPE: peptide
59 <213> ORGANISM: Sus scrofa
61 <220> FEATURE:
W--> 63 <221> NAME/KEY: Xaa
65 <222> LOCATION: 1
67 <223> OTHER INFORMATION: pyroglutamic acid
W--> 69 <221> NAME/KEY: Xaa
71 <222> LOCATION: 10
73 <223> OTHER INFORMATION: Gly-NH2
75 <400> SEQUENCE: 1
77 Xaa His Trp Ser Tyr Gly Leu Arg Pro Xaa
78 1 5 10
81 <210> SEQ ID NO: 2
83 <211> LENGTH: 10
E--> 85 <212> TYPE: peptide
87 <213> ORGANISM: Homo sapiens
89 <220> FEATURE:
W--> 91 <221> NAME/KEY: Xaa
93 <222> LOCATION: 1
95 <223> OTHER INFORMATION: pyroglutamic acid
W--> 97 <221> NAME/KEY: Xaa

invalid response - use PRT

e.s. Xaa is pyroglutamic acid
more down use, preferably,

Appendix 2, Table 6,
of WIPO Standard ST.25, for
identifier

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/659,983

DATE: 09/25/2000
 TIME: 12:45:58

Input Set : A:\ES.txt
 Output Set: N:\CRF3\09252000\I659983.raw

99 <222> LOCATION: 10
 101 <223> OTHER INFORMATION: Gly-NH2
 103 <400> SEQUENCE: 2
 105 Xaa His Trp Ser His Gly Trp Tyr Pro Xaa
 106 1 5 10
 110 <210> SEQ ID NO: 3
 112 <211> LENGTH: ~~variable~~
 E--> 114 <212> TYPE: ~~peptide~~
 116 <213> ORGANISM: ~~artificial~~
 118 <220> FEATURE:
 W--> 120 <221> NAME/KEY: ~~Xaa~~
 122 <222> LOCATION: 1
 124 <223> OTHER INFORMATION: pyroglutamic acid or Gln with attached tail of one or more additional
 125 amino acids
 W--> 127 <221> NAME/KEY: ~~Xaa~~
 129 <222> LOCATION: 3
 131 <223> OTHER INFORMATION: Trp or N(indole)formyl-tryptophan
 W--> 133 <221> NAME/KEY: ~~Xaa~~
 135 <222> LOCATION: 13
 137 <223> OTHER INFORMATION: Trp or N(indole)formyl-tryptophan
 W--> 139 <221> NAME/KEY: ~~Xaa~~
 141 <222> LOCATION: 20
 143 <223> OTHER INFORMATION: Gly-NH2 or Gly with attached tail of one or more amino acids
 W--> 145 <221> NAME/KEY: ~~X~~
 147 <222> LOCATION: 11
 149 <223> OTHER INFORMATION: direct bond or a spacer group between Gly at position 10 and Gln at
 150 position 11
 W--> 152 <221> NAME/KEY: ~~n~~
 154 <222> LOCATION: 20
 156 <223> OTHER INFORMATION: integer greater than or equal to 1 indicating number of repeats of
 157 sequence at positions 10 to 19
 159 <400> SEQUENCE: 3
 161 Xaa His Xaa Ser Tyr Gly Leu Arg Pro Gly X Gln His Xaa Ser Tyr Gly
 162 1. 5 10 15
 163 Leu Arg Pro Xaa
 164 20
 167 <210> SEQ ID NO: 4
 169 <211> LENGTH: 21
 E--> 171 <212> TYPE: ~~peptide~~
 173 <213> ORGANISM: ~~artificial~~
 175 <220> FEATURE:
 W--> 177 <221> NAME/KEY: ~~Xaa~~
 179 <222> LOCATION: 1
 181 <223> OTHER INFORMATION: pyroglutamic acid
 W--> 183 <221> NAME/KEY: ~~Xaa~~
 185 <222> LOCATION: 6
 187 <223> OTHER INFORMATION: D-Lys
 W--> 189 <221> NAME/KEY: ~~Xaa~~
 191 <222> LOCATION: 11

Handwritten notes:
 - "this is not an acceptable response - variable length is not permitted (give an integer)"
 - "see item 12 on Error summary sheet" (circled)
 - "do not show this in the sequence. It can be explained in C2207-C2237 section" (circled)
 - "delete - only show amino acids" (circled)
 - "delete delete" (circled)
 - "see item 6 on Error summary sheet" (circled)
 - "see item 6 on Error summary sheet" (circled)
 - "see item 12" (circled)
 - "see item 6 on Error summary sheet" (circled)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/659,983

DATE: 09/25/2000
TIME: 12:45:58

Input Set : A:\ES.txt
Output Set: N:\CRF3\00252000\7650000

193 <223> OTHER INFORMATION: Gly or Gly preceded by a spacer
W--> 195 <221> NAME/KEY: Xaa
197 <222> LOCATION: 18
199 <223> OTHER INFORMATION: D-Lys
W--> 201 <221> NAME/KEY: Xaa
203 <222> LOCATION: 21
205 <223> OTHER INFORMATION: Cys-NH2
W--> 207 <221> NAME/KEY: Xaa) delete - no Xaa's after location 21
210 <400> SEQUENCE: 4
212 Xaa His Trp Ser Tyr Xaa Leu Arg Pro Gly Xaa His Trp Ser Tyr Xaa
213 1' 5 10 15
214 Leu Arg Pro Gly Xaa
215 20
218 <210> SEQ ID NO: 5
220 <211> LENGTH: 21
E--> 222 <212> TYPE: peptide item 12
224 <213> ORGANISM: artificial
226 <220> FEATURE:
W--> 228 <221> NAME/KEY: Xaa
230 <222> LOCATION: 1
232 <223> OTHER INFORMATION: pyroglutamic acid
W--> 234 <221> NAME/KEY: Xaa
236 <222> LOCATION: 4
238 <223> OTHER INFORMATION: amino acid substitution
W--> 240 <221> NAME/KEY: Xaa
242 <222> LOCATION: 6
244 <223> OTHER INFORMATION: D-Lys
W--> 246 <221> NAME/KEY: Xaa OK
248 <222> LOCATION: 11
250 <223> OTHER INFORMATION: Gly or Gly preceded by a spacer
W--> 252 <221> NAME/KEY: Xaa
254 <222> LOCATION: 14
256 <223> OTHER INFORMATION: amino acid substitution
W--> 258 <221> NAME/KEY: Xaa
260 <222> LOCATION: 16
262 <223> OTHER INFORMATION: D-Lys
W--> 264 <221> NAME/KEY: Xaa
266 <222> LOCATION: 21
268 <223> OTHER INFORMATION: Cys-NH2
270 <400> SEQUENCE: 5
272 Xaa His Trp Xaa Tyr Xaa Leu Arg Pro Gly Xaa His Trp Xaa Tyr Xaa
273 1 5 10 15
274 Leu Arg Pro Gly Xaa
275 20
278 <210> SEQ ID NO: 6
280 <211> LENGTH: 21
E--> 282 <212> TYPE: peptide item 12
284 <213> ORGANISM: artificial
286 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 09/25/2000

PATENT APPLICATION: US/09/659,983

TIME: 12:45:58

Input Set : A:\ES.txt

Output Set: N:\CRF3\09252000\I659983.raw

```

W--> 288 <221> NAME/KEY: Xaa
      290 <222> LOCATION: 1
      292 <223> OTHER INFORMATION: pyroglutamic acid
W--> 294 <221> NAME/KEY: Xaa
      296 <222> LOCATION: 6
      298 <223> OTHER INFORMATION: D-Lys
W--> 300 <221> NAME/KEY: Xaa
      302 <222> LOCATION: 8
      304 <223> OTHER INFORMATION: amino acid substitution
W--> 306 <221> NAME/KEY: Xaa
      308 <222> LOCATION: 11
      310 <223> OTHER INFORMATION: Gly (or Gly) preceded by a spacer
W--> 312 <221> NAME/KEY: Xaa
      314 <222> LOCATION: 16
      316 <223> OTHER INFORMATION: D-Lys
W--> 318 <221> NAME/KEY: Xaa
      320 <222> LOCATION: 18
      322 <223> OTHER INFORMATION: amino acid substitution
W--> 324 <221> NAME/KEY: Xaa
      326 <222> LOCATION: 21
      328 <223> OTHER INFORMATION: Cys-NH2
      331 <400> SEQUENCE: 6
      333      Xaa His Trp Ser Tyr Xaa Leu Xaa Pro Gly Xaa His Trp Ser Tyr Xaa
      334      1          5          10          15
      335      Leu Xaa Pro Gly Xaa
      336      20
      339 <210> SEQ ID NO: 7
      341 <211> LENGTH: 21
E--> 343 <212> TYPE: peptide
      345 <213> ORGANISM: artificial
      347 <220> FEATURE:
W--> 349 <221> NAME/KEY: Xaa
      351 <222> LOCATION: 1
      353 <223> OTHER INFORMATION: pyroglutamic acid
W--> 355 <221> NAME/KEY: Xaa
      357 <222> LOCATION: 6
      359 <223> OTHER INFORMATION: D-Lys
W--> 361 <221> NAME/KEY: Xaa
      363 <222> LOCATION: 10
      365 <223> OTHER INFORMATION: amino acid substitution
W--> 367 <221> NAME/KEY: Xaa
      369 <222> LOCATION: 11
      371 <223> OTHER INFORMATION: Gly or Gly preceded by a spacer
W--> 373 <221> NAME/KEY: Xaa
      375 <222> LOCATION: 20
      377 <223> OTHER INFORMATION: amino acid substitution
W--> 379 <221> NAME/KEY: Xaa
      381 <222> LOCATION: 21
      383 <223> OTHER INFORMATION: Cys-NH2

```

what about Xaa at location 16?
(next page)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/659,983

DATE: 09/25/2000
TIME: 12:45:58

Input Set : A:\ES.txt
Output Set: N:\CRF3\09252000\I659983.raw

```

385 <400> SEQUENCE: 7
387 Xaa His Trp Ser Tyr Xaa Leu Arg Pro Xaa Xaa His Trp Ser Tyr Xaa
388 1 5 10 15
389 Leu Arg Pro Xaa Xaa
390 20
393 <210> SEQ ID NO: 8
395 <211> LENGTH: 42
E--> 397 <212> TYPE: peptide
399 <213> ORGANISM: artificial
401 <220> FEATURE:
W--> 403 <221> NAME/KEY: Xaa
405 <222> LOCATION: 1
407 <223> OTHER INFORMATION: Glu-NH2
W--> 409 <221> NAME/KEY: Xaa
411 <222> LOCATION: 6
413 <223> OTHER INFORMATION: D-Lys
W--> 415 <221> NAME/KEY: Xaa
417 <222> LOCATION: 11
419 <223> OTHER INFORMATION: Gly or Gly preceded by a spacer
W--> 421 <221> NAME/KEY: Xaa
423 <222> LOCATION: 16
425 <223> OTHER INFORMATION: D-Lys
W--> 427 <221> NAME/KEY: Xaa
429 <222> LOCATION: 22
431 <223> OTHER INFORMATION: Glu-NH2
W--> 433 <221> NAME/KEY: Xaa
435 <222> LOCATION: 27
437 <223> OTHER INFORMATION: D-Lys
W--> 439 <221> NAME/KEY: Xaa
441 <222> LOCATION: 32
443 <223> OTHER INFORMATION: Gly or Gly preceded by a spacer
W--> 445 <221> NAME/KEY: Xaa
447 <222> LOCATION: 37
449 <223> OTHER INFORMATION: D-Lys
451 <221> NAME/KEY: misc-structure misc-structure
453 <222> LOCATION: 21
455 <223> OTHER INFORMATION: dimer formed between Cys at 21 to Cys at 42
457 <400> SEQUENCE: 8
459 Xaa His Trp Ser Tyr Xaa Leu Arg Pro Gly Xaa His Trp Ser Tyr Xaa
460 1 5 10 15
461 Leu Arg Pro Gly Cys Xaa His Trp Ser Tyr Xaa Leu Arg Pro Gly Xaa
462 20 25 30
463 His Trp Ser Tyr Xaa Leu Arg Pro Gly Cys
464 35 40
468 <210> SEQ ID NO: 9
470 <211> LENGTH: 21
E--> 472 <212> TYPE: peptide
474 <213> ORGANISM: artificial
476 <220> FEATURE:

```

use underscore, not hyphen
misc-structure

misaligned amino acid
nos. - see
item 4
on Enol
summary
sheet

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/659,983

DATE: 09/25/2000
 TIME: 12:45:58

Input Set : A:\ES.txt
 Output Set: N:\CRF3\09252000\I659983.raw

W--> 478 <221> NAME/KEY: Xaa
 480 <222> LOCATION: 1
 482 <223> OTHER INFORMATION: pyroglutamic acid
 W--> 484 <221> NAME/KEY: Xaa
 486 <222> LOCATION: 6
 488 <223> OTHER INFORMATION: D-Lys
 W--> 490 <221> NAME/KEY: Xaa
 492 <222> LOCATION: 11
 494 <223> OTHER INFORMATION: Gly or Gly preceded by a spacer
 W--> 496 <221> NAME/KEY: Xaa
 498 <222> LOCATION: 16
 500 <223> OTHER INFORMATION: D-Lys
 W--> 502 <221> NAME/KEY: Xaa
 504 <222> LOCATION: 21
 506 <223> OTHER INFORMATION: Cys-NH2
 508 <400> SEQUENCE: 9
 510 Xaa His Trp Ser Tyr Xaa Leu Arg Pro Gly Xaa His Trp Ser Tyr Xaa
 511 1 5 10 15
 512 Leu Arg Pro Gly Xaa
 513 20
 515 <210> SEQ ID NO: 10
 517 <211> LENGTH: 21
 E--> 519 <212> TYPE: peptide
 521 <213> ORGANISM: artificial
 523 <220> FEATURE:
 W--> 525 <221> NAME/KEY: Xaa
 527 <222> LOCATION: 1
 529 <223> OTHER INFORMATION: amino acid substitution with acetyl group
 W--> 531 <221> NAME/KEY: Xaa
 533 <222> LOCATION: 6
 535 <223> OTHER INFORMATION: D-Lys
 W--> 537 <221> NAME/KEY: Xaa
 539 <222> LOCATION: 11
 541 <223> OTHER INFORMATION: amino acid substitution
 W--> 543 <221> NAME/KEY: Xaa
 545 <222> LOCATION: 16
 547 <223> OTHER INFORMATION: D-Lys
 W--> 549 <221> NAME/KEY: Xaa
 551 <222> LOCATION: 21
 553 <223> OTHER INFORMATION: Cys-NH2
 555 <400> SEQUENCE: 10
 556 Xaa His Trp Ser Tyr Xaa Leu Arg Pro Gly Xaa His Trp Ser Tyr Xaa
 557 1 5 10 15
 558 Leu Arg Pro Gly Xaa
 559 20
 562 <210> SEQ ID NO: 11
 564 <211> LENGTH: 21
 E--> 566 <212> TYPE: peptide
 568 <213> ORGANISM: artificial

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/659,983

DATE: 09/25/2000

TIME: 12:45:58

Input Set : A:\ES.txt

Output Set: N:\CRF3\09252000\I659983.raw

```

570 <220> FEATURE:
W--> 572 <221> NAME/KEY: Xaa
574 <222> LOCATION: 1
576 <223> OTHER INFORMATION: pyroglutamic acid
W--> 578 <221> NAME/KEY: Xaa
580 <222> LOCATION: 5
582 <223> OTHER INFORMATION: amino acid substitution
W--> 584 <221> NAME/KEY: Xaa
586 <222> LOCATION: 6
588 <223> OTHER INFORMATION: D-Lys
W--> 590 <221> NAME/KEY: Xaa
592 <222> LOCATION: 11
594 <223> OTHER INFORMATION: Gly or Gly preceded by spacer
W--> 596 <221> NAME/KEY: Xaa
598 <222> LOCATION: 15
600 <223> OTHER INFORMATION: amino acid substitution
W--> 602 <221> NAME/KEY: Xaa
604 <222> LOCATION: 16
606 <223> OTHER INFORMATION: D-Lys
W--> 608 <221> NAME/KEY: Xaa
610 <222> LOCATION: 21
612 <223> OTHER INFORMATION: Cys-NH2
614 <400> SEQUENCE: 11
616 Xaa His Trp Ser Xaa Xaa Leu Arg Pro Gly Xaa His Trp Ser Xaa Xaa
617 1 . 5. 10 15
618 Leu Arg Pro Gly Xaa
619 20
621 <210> SEQ ID NO: 12
623 <211> LENGTH: 21
E--> 625 <212> TYPE: peptide
627 <213> ORGANISM: artificial
629 <220> FEATURE:
W--> 631 <221> NAME/KEY: Xaa
633 <222> LOCATION: 1
635 <223> OTHER INFORMATION: pyroglutamic acid
W--> 637 <221> NAME/KEY: Xaa
639 <222> LOCATION: 6
641 <223> OTHER INFORMATION: D-Lys
W--> 643 <221> NAME/KEY: Xaa
645 <222> LOCATION: 7
647 <223> OTHER INFORMATION: amino acid substitution
W--> 649 <221> NAME/KEY: Xaa
651 <222> LOCATION: 11
653 <223> OTHER INFORMATION: Gly or Gly preceded by a spacer
W--> 655 <221> NAME/KEY: Xaa
657 <222> LOCATION: 16
659 <223> OTHER INFORMATION: D-Lys
W--> 661 <221> NAME/KEY: Xaa
663 <222> LOCATION: 17

```

DATE: 09/25/2000

TIME: 12:45:58

Output Set: N:\CRF3\09252000\I659983.raw

```

684 <211> LENGTH: 61
E--> 686 <212> TYPE: peptide
688 <213> ORGANISM: artificial
690 <220> FEATURE:
W--> 692 <221> NAME/KEY: Xaa
694 <222> LOCATION: 1
696 <223> OTHER INFORMATION: pyr
W--> 698 <221> NAME/KEY: Xaa
700 <222> LOCATION: 6
702 <223> OTHER INFORMATION: D-Lys
W--> 704 <221> NAME/KEY: Xaa
706 <222> LOCATION: 9
708 <223> OTHER INFORMATION: amin
W--> 710 <221> NAME/KEY: Xaa
712 <222> LOCATION: 11
714 <223> OTHER INFORMATION: Gly
W--> 716 <221> NAME/KEY: Xaa
718 <222> LOCATION: 16
720 <223> OTHER INFORMATION: D-Lys
W--> 722 <221> NAME/KEY: Xaa
724 <222> LOCATION: 19
726 <223> OTHER INFORMATION: amin
W--> 728 <221> NAME/KEY: Xaa

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/659,983

DATE: 09/25/2000

TIME: 12:45:59

Input Set : A:\ES.txt

Output Set: N:\CRF3\09252000\I659983.raw

L:17 M:270 C: Current Application Number differs, Replaced Application Number
 L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:57 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
 L:63 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
 L:69 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
 L:85 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
 L:91 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
 L:97 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
 L:114 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
 L:120 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
 L:127 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
 L:133 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
 L:139 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
 L:145 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
 L:152 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
 L:171 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
 L:177 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
 L:183 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
 L:189 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
 L:195 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
 L:201 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
 L:207 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
 L:222 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
 L:228 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
 L:234 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
 L:240 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
 L:246 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
 L:252 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
 L:258 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
 L:264 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
 L:282 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
 L:288 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
 L:294 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
 L:300 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
 L:306 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
 L:312 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
 L:318 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
 L:324 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
 L:343 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
 L:349 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
 L:355 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
 L:361 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
 L:367 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
 L:373 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
 L:379 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
 L:397 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
 L:403 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
 L:409 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8

VERIFICATION SUMMARY

DATE: 09/25/2000

PATENT APPLICATION: US/09/659,983

TIME: 12:45:59

Input Set : A:\ES.txt

Output Set: N:\CRF3\09252000\I659983.raw

L:415 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:421 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:427 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:433 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:439 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:445 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:451 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:472 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:478 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:484 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:490 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:496 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:502 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:519 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:566 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:625 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:686 M:310 E: (3) Wrong or Missing Sequence Type, TYPE: